1.

DesMoines	SanFrancisco
56.0	51.0
37.5	55.3
37.2	55.7
56.0	48.7
54.3	56.2
63.3	57.2
54.7	49.5
60.6	61.0
70.6	51.4
53.7	55.8
52.9	53.0
74.9	58.1

Source: https://academic.udayton.edu/kissock/http/Weather/citylistUS.htm

The table shows 2 datasets for average temperature on April 14th for Des Moines, and San Francisco.

Calculate:

a. $\overline{x}$, median, and mode for both data sets (For mode calculation exclude any decimal in your calculation. (e.g., consider 55.3 and 55.8 as 55)
b. Calculate std. deviation for both the datasets. Use the mean calculated in part 1 for your calculation.
c. Discuss your findings with each other? Example, how do the mean and median differ in both datasets. Which dataset has greater spread or more variability.

2. For the given data below find and interpret the z-score

a. The value 35 in a given dataset with mean 53 and std.dev 11
b. The value 61 in a dataset with mean 54 and std.dev 3